

# U.S. Census Bureau News

U.S. Department of Commerce • Washington, D.C. 20233

FOR IMMEDIATE RELEASE  
TUESDAY, OCTOBER 4, 2005, AT 10:00 A.M. EDT

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M3-2 (05)-08  
CB05-141

## Full Report on Manufacturers' Shipments, Inventories and Orders August 2005

### Summary

New orders for manufactured goods in August increased \$9.7 billion or 2.5 percent to \$395.2 billion, the U.S. Census Bureau reported today. This followed a 2.5 percent decrease in July.

Shipments, up for the fourth consecutive month, increased \$6.6 billion or 1.7 percent to \$393.5 billion. This was at the highest level since the series was first stated on a NAICS basis in 1992 and followed a 0.1 percent increase in July.

Unfilled orders, up for the fourth consecutive month, increased \$9.2 billion or 1.6 percent to \$590.0 billion. This was at the highest level since the series began and followed a 1.0 percent July increase. The unfilled orders-to-shipments ratio was 4.15, down from 4.18 in July.

Inventories, down following two consecutive monthly increases, decreased \$0.6 billion or 0.1 percent to \$463.7 billion. This followed a 0.6 percent July increase. The inventories-to-shipments ratio was 1.18, down from 1.20 in July.

### New Orders

New orders for manufactured durable goods in August, up four of the last five months, increased \$6.9 billion or 3.4 percent to \$210.6 billion, up from the previously published 3.3 percent increase. This followed a 5.4 percent July decrease.

Computers and electronic products, up three of the last four months had the largest increase, \$1.6 billion or 5.5 percent to \$31.6 billion.

New orders for manufactured nondurable goods increased \$2.8 billion or 1.6 percent to \$184.7 billion.

### Shipments

Shipments of manufactured durable goods in August, up three of the last four months, increased \$3.8 billion or 1.8 percent to \$208.8 billion, up from the previously published 1.7 percent increase. This followed a 0.7 percent July decrease and was at the highest level since the series began.

Transportation equipment, up five of the last six months, had the largest increase, \$1.8 billion or 3.1 percent to \$58.7 billion.

Shipments of manufactured nondurable goods increased \$2.8 billion or 1.6 percent to \$184.7 billion and were at the highest level since the series began. This was led by petroleum and coal products, which increased \$1.6 billion or 4.6 percent to \$35.7 billion and was also at the highest level since the series began.

### Unfilled Orders

Unfilled orders for manufactured durable goods in August, up for the fourth consecutive month, increased \$9.2 billion or 1.6 percent to \$590.0 billion, down from the previously published 1.7 percent increase. This was at the highest level since the series began and followed a 1.0 percent July increase.

Transportation equipment, up for the fourth consecutive month, had the largest increase, \$3.9 billion or 1.3 percent to \$294.0 billion. This was at the highest level since the series began.

### Inventories

Inventories of manufactured durable goods in August, down two of the last three months, decreased \$0.8 billion or 0.3 percent to \$282.1 billion, down from the previously published 0.2 percent decrease. This followed a 0.8 percent July increase.

Transportation equipment, down two of the last three months, had the largest decrease, \$0.7 billion or 1.0 percent to \$65.6 billion.

Inventories of manufactured nondurable goods, up seven of the last eight months, increased \$0.2 billion or 0.1 percent to \$181.6 billion. This was at the highest level since the series began and was led by petroleum and coal products, which increased \$0.2 billion or 0.7 percent to \$24.3 billion.

By stage of fabrication, August materials and supplies decreased 0.2 percent in durable goods and increased 1.0 percent in nondurable goods. Work in process decreased 0.9 percent in durable goods and 0.4 percent in nondurable goods. Finished goods increased 0.4 percent in durable goods and decreased 0.3 percent in nondurable goods.

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Figures in text, other than year-to-date, are in seasonally adjusted current dollars. Figures on new and unfilled orders exclude data for semiconductor manufacturing. For data, call (301) 763-4673 or go to <http://www.census.gov/m3>. The advance report on durable goods for September is scheduled for release on October 27, 2005, at 8:30 a.m. EDT and the full report on November 3, 2005, at 10:00 a.m. EST. See back page for survey description.

Table 1. Value of Manufacturers' Shipments for Industry Groups

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Year to date		
	Aug. 2005 <sup>p</sup>	July 2005 <sup>r</sup>	June 2005	July - Aug.	June - July	May - June	Aug. 2005 <sup>p</sup>	July 2005 <sup>r</sup>	June 2005	Aug. 2004	2005 <sup>p</sup>	2004	Percent 2005/ 2004
All manufacturing industries.....	393,462	386,858	386,436	1.7	0.1	0.0	405,249	355,183	412,308	378,218	3,060,505	2,855,443	7.2
Excluding transportation.....	334,778	329,965	329,180	1.5	0.2	-0.1	344,266	314,531	348,621	319,549	2,610,579	2,400,161	8.8
Excluding defense.....	383,906	377,754	377,105	1.6	0.2	0.0	396,022	346,827	402,036	369,260	2,988,116	2,783,144	7.4
With unfilled orders.....	142,268	138,969	140,402	2.4	-1.0	0.2	144,270	123,300	153,502	134,523	1,108,578	1,029,226	7.7
Durable goods industries.....	208,781	205,013	206,451	1.8	-0.7	0.2	213,597	177,644	225,754	201,562	1,628,356	1,538,023	5.9
Wood products.....	8,871	8,888	9,031	-0.2	-1.6	1.9	9,705	9,036	9,883	10,308	72,041	71,560	0.7
Nonmetallic mineral products.....	9,040	8,953	9,016	1.0	-0.7	0.1	9,967	8,982	9,677	9,035	71,170	64,997	9.5
Primary metals.....	15,340	14,956	15,204	2.6	-1.6	-0.6	15,956	13,670	15,930	15,545	125,630	113,082	11.1
Iron and steel mills.....	6,570	6,385	6,620	2.9	-3.5	-3.3	6,866	5,866	6,958	7,499	56,724	52,040	9.0
Aluminum and nonferrous metals.....	7,116	6,919	6,943	2.8	-0.3	1.8	7,341	6,342	7,200	6,447	55,562	49,300	12.7
Ferrous metal foundries.....	1,654	1,652	1,641	0.1	0.7	1.3	1,749	1,462	1,772	1,599	13,344	11,742	13.6
Fabricated metal products.....	23,847	23,455	23,876	1.7	-1.8	-0.5	25,401	22,178	25,394	24,263	190,499	178,977	6.4
Machinery.....	26,109	25,752	25,826	1.4	-0.3	0.2	25,861	24,155	28,391	23,435	207,794	188,558	10.2
Farm machinery.....	1,701	1,773	1,742	-4.1	1.8	-2.5	1,657	1,734	1,764	1,670	14,883	13,486	10.4
Construction machinery.....	2,849	2,663	2,765	7.0	-3.7	2.5	2,756	2,452	3,085	2,199	21,886	17,658	23.9
Mining, oil field, and gas field machinery.....	971	942	961	3.1	-2.0	-1.2	956	894	1,020	765	7,561	5,775	30.9
Industrial machinery.....	2,172	2,375	2,173	-8.5	9.3	-9.9	1,926	2,428	2,540	2,329	19,155	21,207	-9.7
Photographic equipment.....	662	652	648	1.5	0.6	1.6	653	625	749	612	5,001	5,183	-3.5
Ventilation, heating, air-conditioning, and refrigeration equipment.....	2,947	2,919	2,851	1.0	2.4	-0.3	3,091	2,832	3,455	2,816	23,266	22,484	3.5
Metalworking machinery.....	3,020	2,954	2,905	2.2	1.7	0.8	3,197	2,703	3,233	2,486	22,596	18,289	23.5
Turbines, generators, and other power transmission equipment.....	3,813	3,580	3,908	6.5	-8.4	8.1	3,857	3,197	4,083	3,422	29,665	26,888	10.3
Material handling equipment.....	1,944	1,837	1,863	5.8	-1.4	3.0	1,925	1,694	1,989	1,440	14,206	11,169	27.2
Computers and electronic products.....	37,483	36,621	36,769	2.4	-0.4	-0.2	35,771	32,046	41,654	32,927	283,040	255,243	10.9
Computers.....	6,208	6,240	6,077	-0.5	2.7	-2.1	5,717	6,339	6,573	4,282	47,695	33,188	43.7
Computer storage devices.....	759	664	820	14.3	-19.0	-1.8	611	406	1,393	578	5,830	5,319	9.6
Other peripheral equipment.....	1,211	1,191	1,196	1.7	-0.4	-7.1	1,107	916	1,556	1,258	9,411	9,761	-3.6
Nondefense communications equipment.....	5,429	5,289	5,414	2.6	-2.3	3.6	5,081	4,331	6,141	4,983	39,613	38,120	3.9
Defense communications equipment...	438	397	432	10.3	-8.1	5.9	441	370	446	397	3,511	3,119	12.6
Audio and video equipment.....	779	718	780	8.5	-7.9	-3.3	748	599	707	776	5,687	5,138	10.7
Semiconductors.....	7,451	7,258	6,806	2.7	6.6	-3.1	7,421	6,365	7,349	7,010	55,367	52,349	5.8
Electronic components.....	4,960	4,787	4,946	3.6	-3.2	1.7	4,946	4,176	5,455	4,141	38,038	32,024	18.8
Nondefense search and navigation equipment.....	1,003	930	952	7.8	-2.3	0.2	1,002	827	1,030	843	7,419	6,626	12.0
Defense search and navigation equipment.....	2,743	2,708	2,674	1.3	1.3	0.1	2,624	2,552	2,882	2,347	20,419	18,387	11.1
Electromedical, measuring, and control instruments.....	5,955	5,859	6,107	1.6	-4.1	2.0	5,537	4,641	7,567	5,723	45,658	46,609	-2.0
Electrical equipment, appliances, and components.....	9,749	9,545	9,452	2.1	1.0	0.2	9,990	8,735	10,250	9,189	74,157	69,545	6.6
Electric lighting equipment.....	1,018	1,023	1,013	-0.5	1.0	-0.8	1,025	856	1,069	1,003	7,990	7,851	1.8
Household appliances.....	2,182	2,182	2,173	0.0	0.4	2.2	2,316	1,994	2,379	2,149	16,650	15,841	5.1
Electrical equipment.....	3,157	3,042	2,993	3.8	1.6	-0.1	3,214	2,827	3,338	2,817	23,797	21,451	10.9
Batteries.....	591	582	591	1.5	-1.5	0.5	578	473	640	553	4,231	4,019	5.3
Transportation equipment.....	58,684	56,893	57,256	3.1	-0.6	0.5	60,983	40,652	63,687	58,669	449,926	455,282	-1.2
Automobiles.....	7,381	7,454	7,217	-1.0	3.3	1.4	8,177	4,566	7,923	7,941	57,161	59,290	-3.6
Light trucks and utility vehicles.....	13,279	13,143	13,411	1.0	-2.0	3.2	14,137	7,433	14,965	14,027	102,542	110,591	-7.3
Heavy duty trucks.....	1,740	1,676	1,724	3.8	-2.8	-4.3	1,784	1,576	1,951	1,595	13,995	11,907	17.5
Motor vehicle bodies, parts, and trailers.....	19,746	19,093	18,895	3.4	1.0	-0.8	21,214	13,778	20,367	20,383	153,335	157,302	-2.5
Nondefense aircraft and parts.....	7,190	6,596	6,799	9.0	-3.0	2.3	6,481	5,437	8,214	5,764	50,893	44,555	14.2
Defense aircraft and parts.....	3,806	3,354	3,649	13.5	-8.1	-2.6	3,655	3,032	4,218	3,653	28,435	30,278	-6.1
Ships and boats.....	2,149	2,229	2,291	-3.6	-2.7	0.5	2,173	1,867	2,361	2,124	18,351	16,040	14.4
Furniture and related products.....	7,255	7,451	7,422	-2.6	0.4	-0.9	7,768	7,207	7,482	7,345	58,391	53,557	9.0
Miscellaneous durable goods.....	12,403	12,499	12,599	-0.8	-0.8	2.9	12,195	10,983	13,406	10,846	95,708	87,222	9.7
Nondurable goods industries.....	184,681	181,845	179,985	1.6	1.0	-0.2	191,652	177,539	186,554	176,656	1,432,149	1,317,420	8.7
Food products.....	44,697	44,535	44,898	0.4	-0.8	-0.6	45,455	42,567	45,480	44,725	351,463	331,363	6.1
Grain and oilseed milling.....	3,091	3,072	3,064	0.6	0.3	1.3	3,194	2,942	3,025	3,335	24,045	28,656	-16.1
Dairy products.....	6,891	6,842	6,699	0.7	2.1	-1.3	6,898	6,575	6,848	6,669	53,687	52,355	2.5
Meat, poultry, and seafood products...	15,078	15,065	15,516	0.1	-2.9	0.6	15,521	14,922	16,088	15,362	121,365	101,515	19.6
Beverage and tobacco products.....	9,821	9,251	9,460	6.2	-2.2	0.0	10,338	9,496	9,979	9,674	73,631	73,252	0.5
Beverages.....	5,953	6,020	5,918	-1.1	1.7	1.7	6,470	6,265	6,437	6,291	46,835	46,970	-0.3
Tobacco.....	3,868	3,231	3,542	19.7	-8.8	-2.6	3,868	3,231	3,542	3,383	26,796	26,282	2.0
Textile mills.....	3,228	3,322	3,441	-2.8	-3.5	0.6	3,316	3,112	3,670	3,774	27,253	29,068	-6.2
Textile products.....	2,841	2,829	2,818	0.4	0.4	0.0	3,022	2,865	2,970	2,991	22,708	22,366	1.5
Apparel.....	3,404	3,418	3,517	-0.4	-2.8	1.5	3,689	3,465	3,550	3,760	26,894	27,046	-0.6
Leather and allied products.....	466	455	470	2.4	-3.2	-5.1	520	431	485	537	3,766	3,781	-0.4
Paper products.....	13,381	13,534	14,191	-1.1	-4.6	0.0	13,864	13,296	14,777	14,107	111,503	106,105	5.1
Pulp, paper, and paperboard mills.....	5,918	5,860	5,856	1.0	0.1	-0.3	6,168	5,815	6,022	6,073	47,631	46,402	2.6
Paperboard containers.....	3,729	3,736	3,861	-0.2	-3.2	-0.2	3,995	3,650	4,046	4,184	30,688	30,013	2.2
Printing.....	7,336	7,338	7,450	0.0	-1.5	-0.9	7,465	6,864	7,375	7,744	58,248	59,664	-2.4
Petroleum and coal products.....	35,664	34,084	32,091	4.6	6.2	3.0	39,107	35,278	33,711	28,140	255,337	195,693	30.5
Petroleum refineries.....	33,115	31,624	29,534	4.7	7.1	3.5	36,086	32,499	30,681	25,297	235,065	177,577	32.4
Chemical products.....	46,735	46,248	44,773	1.1	3.3	-2.1	46,836	44,011	46,603	44,438	365,096	342,091	6.7
Pesticides, fertilizers, and other agricultural chemicals.....	2,515	2,247	1,847	11.9	21.7	-7.1	2,011	1,781	2,208	1,419	17,857	15,249	17.1
Pharmaceuticals and medicines.....	11,991	11,389	10,875	5.3	4.7	-7.6	12,012	10,567	10,809	12,650	90,524	96,008	-5.7
Paints, coatings, and adhesives.....	2,525	2,562	2,639	-1.4	-2.9	2.5	2,704	2,614	2,944	2,699	20,974	20,459	2.5
Plastics and rubber products.....	17,108	16,831	16,876	1.6	-0.3	-0.6	18,040	16,154	17,954	16,766	136,250	126,991	7.3

<sup>p</sup> Preliminary<sup>r</sup> Revised

NA Not available.

<sup>1</sup> Shipments are the totals for the period and are adjusted for trading-day and calendar-month variations.  
See note at end of Table 2 relating to survey error and revision.

**Table 2. Value of Manufacturers' New Orders for Industry Groups****[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted <sup>1</sup>						
	Monthly			Percent Change			Monthly				Year to date		
	Aug. 2005 <sup>p</sup>	July 2005 <sup>r</sup>	June 2005	July - Aug.	June - July	May - June	Aug. 2005 <sup>p</sup>	July 2005 <sup>r</sup>	June 2005	Aug. 2004	2005 <sup>p</sup>	2004	Percent 2005/ 2004
All manufacturing industries <sup>2</sup> .....	395,240	385,553	395,324	2.5	-2.5	0.9	402,933	351,601	416,866	369,688	3,046,144	2,832,588	7.5
Excluding transportation <sup>2</sup> .....	332,659	323,855	327,485	2.7	-1.1	1.5	339,538	308,103	344,052	312,449	2,573,962	2,370,593	8.6
Excluding defense <sup>2</sup> .....	386,877	377,014	385,502	2.6	-2.2	0.5	397,135	346,061	406,907	363,130	2,985,232	2,761,004	8.1
With unfilled orders <sup>2</sup> .....	151,497	144,922	156,096	4.5	-7.2	2.4	149,375	126,083	165,409	133,003	1,149,584	1,058,720	8.6
Durable goods industries <sup>2</sup> .....	210,559	203,708	215,339	3.4	-5.4	1.9	211,281	174,062	230,312	193,032	1,613,995	1,515,168	6.5
Primary metals.....	16,310	14,932	14,871	9.2	0.4	-0.8	16,843	13,693	15,257	16,083	125,229	117,862	6.3
Iron and steel mills.....	7,477	6,365	6,296	17.5	1.1	-1.5	7,830	5,911	6,438	8,091	55,770	55,035	1.3
Aluminum and nonferrous metals.....	7,262	6,878	6,943	5.6	-0.9	1.1	7,376	6,284	7,118	6,384	56,082	50,763	10.5
Ferrous metal foundries.....	1,571	1,689	1,632	-7.0	3.5	-5.8	1,637	1,498	1,701	1,608	13,377	12,064	10.9
Fabricated metal products.....	24,706	23,501	24,552	5.1	-4.3	1.5	25,828	22,205	25,760	24,480	195,254	185,544	5.2
Machinery.....	26,871	26,162	28,199	2.7	-7.2	10.3	26,084	23,837	29,577	24,064	213,332	193,602	10.2
Construction machinery.....	3,245	2,745	3,334	18.2	-17.7	14.1	3,066	2,182	3,253	2,238	23,566	18,936	24.5
Mining, oil field, and gas field machinery.....	1,035	1,063	1,071	-2.6	-0.7	0.8	1,001	967	1,098	731	8,209	6,101	34.6
Industrial machinery.....	2,001	2,369	2,352	-15.5	0.7	17.0	1,568	2,633	2,470	2,294	18,617	22,478	-17.2
Photographic equipment.....	676	641	723	5.5	-11.3	14.8	661	646	789	596	5,159	5,232	-1.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	3,509	2,900	2,977	21.0	-2.6	3.6	3,615	2,811	3,448	2,724	24,231	22,943	5.6
Metalworking machinery.....	3,099	3,080	3,108	0.6	-0.9	5.3	3,062	2,810	3,228	2,332	23,976	18,976	26.3
Turbines, generators, and other power transmission equipment.....	3,595	3,668	4,898	-2.0	-25.1	48.4	3,772	3,114	5,120	4,582	29,929	26,886	11.3
Material handling equipment.....	1,968	1,598	1,888	23.2	-15.4	-2.3	1,757	1,170	2,048	1,274	14,839	11,407	30.1
Computers and electronic products <sup>2</sup> .....	31,633	29,994	32,074	5.5	-6.5	7.4	28,582	25,434	36,139	24,477	233,622	206,607	13.1
Computers.....	6,573	5,863	6,433	12.1	-8.9	2.9	6,082	5,962	6,929	4,194	47,301	32,579	45.2
Nondefense communications equipment.....	5,771	5,624	5,783	2.6	-2.7	12.9	4,549	4,476	6,029	3,920	41,476	36,959	12.2
Defense communications equipment.....	630	591	869	6.6	-32.0	99.8	360	474	954	313	4,068	3,047	33.5
Semiconductors <sup>2</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	5,027	4,716	4,833	6.6	-2.4	-1.8	5,268	4,047	5,453	4,631	38,271	33,736	13.4
Nondefense search and navigation equipment.....	1,077	1,025	925	5.1	10.8	-1.3	1,048	913	960	904	7,802	6,929	12.6
Defense search and navigation equipment.....	2,981	2,827	3,389	5.4	-16.6	35.1	2,424	1,990	3,728	1,799	21,064	19,741	6.7
Electromedical, measuring, and control instruments.....	6,278	6,195	6,481	1.3	-4.4	5.3	5,849	5,127	7,875	5,515	48,320	48,795	-1.0
Electrical equipment, appliances, and components.....	10,419	9,644	9,757	8.0	-1.2	1.0	10,625	9,076	10,284	9,327	76,477	71,354	7.2
Electric lighting equipment.....	995	986	1,189	0.9	-17.1	23.9	987	834	1,263	1,227	8,231	8,251	-0.2
Household appliances.....	2,375	2,233	2,130	6.4	4.8	-3.4	2,563	2,096	2,227	2,353	16,981	16,052	5.8
Electrical equipment.....	3,440	3,281	3,115	4.8	5.3	-1.3	3,457	3,136	3,321	2,698	25,229	22,010	14.6
Transportation equipment.....	62,581	61,698	67,839	1.4	-9.1	-1.6	63,395	43,498	72,814	57,239	472,182	461,995	2.2
Motor vehicle bodies, parts, and trailers.....	19,786	19,435	18,905	1.8	2.8	-1.6	21,056	14,549	20,053	20,392	153,644	158,636	-3.1
Nondefense aircraft and parts.....	12,976	11,878	15,117	9.2	-21.4	-24.9	12,485	9,774	16,373	6,593	81,486	50,913	60.0
Defense aircraft and parts.....	3,047	2,643	2,771	15.3	-4.6	2.4	2,040	1,733	3,034	1,626	20,521	25,071	-18.1
Ships and boats.....	1,722	2,105	1,899	-18.2	10.8	-6.0	1,497	1,349	1,670	1,842	14,474	14,686	-1.4
Furniture and related products.....	7,781	7,262	7,409	7.1	-2.0	-0.8	8,113	7,143	7,523	7,032	59,159	54,465	8.6
Nondurable goods industries.....	184,681	181,845	179,985	1.6	1.0	-0.2	191,652	177,539	186,554	176,656	1,432,149	1,317,420	8.7

<sup>p</sup> Preliminary<sup>r</sup> Revised

NA Not available.

<sup>1</sup> New orders are the totals for the period and are adjusted for trading-day and calendar-month variations.<sup>2</sup> Data on new orders are not available for the semiconductor industry. Estimates and percent changes for new orders exclude semiconductor industry data.

Note: Estimates of manufacturers' shipments, inventories and orders are subject to survey error and revision. One major component of survey error is nonsampling error, which includes errors of coverage, response, and nonreporting. Since the survey panel is not a probability sample, estimates of sampling error cannot be calculated. Further details on survey design, methodology, and data limitations are contained in our most recent annual benchmark publication, Current Industrial Reports: M3-3(04), "Manufacturers' Shipments, Inventories, and Orders: 1992-2004."

**Table 3. Value of Manufacturers' Unfilled Orders for Industry Groups**

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Aug. 05/04
	Aug. 2005 <sup>P</sup>	July 2005 <sup>T</sup>	June 2005	July - Aug.	June - July	May - June	Aug. 2005 <sup>P</sup>	July 2005 <sup>T</sup>	June 2005	Aug. 2004	
All manufacturing industries <sup>1</sup> .....	589,982	580,753	574,800	1.6	1.0	2.8	584,572	579,467	576,684	531,055	10.1
Excluding transportation <sup>1</sup> .....	296,004	290,672	289,524	1.8	0.4	1.8	293,703	291,010	291,073	269,667	8.9
Excluding defense <sup>1</sup> .....	444,342	433,920	427,402	2.4	1.5	3.7	441,940	433,406	427,807	381,037	16.0
Durable goods industries <sup>1</sup> .....	589,982	580,753	574,800	1.6	1.0	2.8	584,572	579,467	576,684	531,055	10.1
Primary metals.....	19,921	18,951	18,975	5.1	-0.1	-1.7	20,085	19,198	19,175	22,212	-9.6
Iron and steel mills.....	10,548	9,641	9,661	9.4	-0.2	-3.2	10,751	9,787	9,742	13,368	-19.6
Aluminum and nonferrous metals.....	6,483	6,337	6,378	2.3	-0.6	0.0	6,493	6,458	6,516	6,124	6.0
Ferrous metal foundries.....	2,890	2,973	2,936	-2.8	1.3	-0.3	2,841	2,953	2,917	2,720	4.4
Fabricated metal products.....	46,212	45,353	45,307	1.9	0.1	1.5	46,565	46,138	46,111	42,228	10.3
Machinery.....	81,567	80,805	80,395	0.9	0.5	3.0	80,138	79,915	80,233	73,176	9.5
Construction machinery.....	7,150	6,754	6,672	5.9	1.2	9.3	6,725	6,415	6,685	3,962	69.7
Mining, oil field, and gas field machinery.....	2,242	2,178	2,057	2.9	5.9	5.6	2,204	2,159	2,086	1,422	55.0
Industrial machinery.....	8,634	8,805	8,811	-1.9	-0.1	2.1	8,561	8,919	8,714	8,730	-1.9
Photographic equipment.....	979	965	976	1.5	-1.1	8.3	984	976	955	804	22.4
Ventilation, heating, air-conditioning, and refrigeration equipment.....	5,778	5,216	5,235	10.8	-0.4	2.5	5,861	5,337	5,358	4,770	22.9
Metalworking machinery.....	7,801	7,722	7,596	1.0	1.7	2.7	7,647	7,782	7,675	6,055	26.3
Turbines, generators, and other power transmission equipment.....	31,156	31,374	31,286	-0.7	0.3	3.3	30,855	30,940	31,023	32,526	-5.1
Material handling equipment.....	6,848	6,824	7,063	0.4	-3.4	0.4	6,483	6,651	7,175	5,078	27.7
Computers and electronic products <sup>1</sup> .....	116,317	114,716	114,085	1.4	0.6	1.9	114,700	114,468	114,715	103,326	11.0
Computers.....	6,023	5,658	6,035	6.5	-6.2	6.3	6,023	5,658	6,035	5,673	6.2
Nondefense communications equipment.....	31,535	31,193	30,858	1.1	1.1	1.2	30,739	31,271	31,126	29,545	4.0
Defense communications equipment.....	7,246	7,054	6,860	2.7	2.8	6.8	6,906	6,987	6,883	1,981	248.6
Semiconductors <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	12,844	12,777	12,848	0.5	-0.6	-0.9	13,007	12,685	12,814	13,802	-5.8
Nondefense search and navigation equipment.....	4,119	4,045	3,950	1.8	2.4	-0.7	4,117	4,071	3,985	3,585	14.8
Defense search and navigation equipment.....	34,669	34,431	34,312	0.7	0.3	2.1	33,927	34,127	34,689	32,279	5.1
Electromedical, measuring, and control instruments.....	19,881	19,558	19,222	1.7	1.7	2.0	19,981	19,669	19,183	16,461	21.4
Electrical equipment, appliances, and components.....	17,609	16,939	16,840	4.0	0.6	1.8	17,731	17,096	16,755	15,760	12.5
Electric lighting equipment.....	1,904	1,927	1,964	-1.2	-1.9	9.8	1,953	1,991	2,013	1,674	16.7
Household appliances.....	902	709	658	27.2	7.8	-6.1	916	669	567	842	8.8
Electrical equipment.....	10,515	10,232	9,993	2.8	2.4	1.2	10,545	10,302	9,993	9,133	15.5
Transportation equipment.....	293,978	290,081	285,276	1.3	1.7	3.9	290,869	288,457	285,611	261,388	11.3
Motor vehicle bodies, parts, and trailers.....	15,719	15,679	15,337	0.3	2.2	0.1	15,579	15,737	14,966	15,650	-0.5
Nondefense aircraft and parts.....	154,238	148,452	143,170	3.9	3.7	6.2	153,179	147,175	142,838	115,757	32.3
Defense aircraft and parts.....	48,029	48,788	49,499	-1.6	-1.4	-1.7	47,483	49,098	50,397	58,656	-19.0
Ships and boats.....	15,760	16,187	16,311	-2.6	-0.8	-2.3	14,982	15,658	16,176	17,021	-12.0
Furniture and related products.....	7,689	7,163	7,352	7.3	-2.6	-0.2	7,795	7,450	7,514	7,174	8.7

<sup>P</sup> Preliminary      <sup>T</sup> Revised      NA Not available.<sup>1</sup> Data on unfilled orders are not available for the semiconductor industry. Estimates and percent changes for unfilled orders exclude semiconductor industry data.

See note at end of Table 2 relating to survey error and revision.

**Table 4. Value of Manufacturers' Inventories for Industry Groups****[Millions of Dollars]**

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change
	Aug. 2005 <sup>P</sup>	July 2005 <sup>r</sup>	June 2005	July - Aug.	June - July	May - June	Aug. 2005 <sup>P</sup>	July 2005 <sup>r</sup>	June 2005	Aug. 2004	Aug. 05/04
All manufacturing industries.....	463,666	464,221	461,511	-0.1	0.6	0.1	467,344	467,004	458,827	443,713	5.3
Excluding transportation.....	398,067	397,956	396,047	0.0	0.5	0.2	400,810	399,902	394,082	379,355	5.7
Excluding defense.....	444,882	445,084	442,626	0.0	0.6	0.1	448,395	447,706	439,851	425,371	5.4
With unfilled orders.....	217,972	219,143	217,265	-0.5	0.9	-0.8	220,035	220,882	215,938	208,836	5.4
Durable goods industries.....	282,054	282,815	280,518	-0.3	0.8	-0.4	284,906	284,968	278,794	269,649	5.7
Wood products.....	10,618	10,619	10,659	0.0	-0.4	0.0	10,440	10,416	10,463	9,878	5.7
Nonmetallic mineral products.....	10,377	10,388	10,263	-0.1	1.2	0.6	10,368	10,498	10,336	9,705	6.8
Primary metals.....	24,261	24,387	24,601	-0.5	-0.9	-0.8	24,213	24,455	24,339	20,612	17.5
Iron and steel mills.....	13,912	14,143	14,390	-1.6	-1.7	-1.0	13,932	14,212	14,122	11,411	22.1
Aluminum and nonferrous metals.....	8,317	8,204	8,169	1.4	0.4	-0.6	8,294	8,204	8,139	7,497	10.6
Ferrous metal foundries.....	2,032	2,040	2,042	-0.4	-0.1	-0.4	1,987	2,039	2,078	1,704	16.6
Fabricated metal products.....	36,874	37,040	37,202	-0.4	-0.4	-1.0	36,979	37,324	37,260	34,534	7.1
Machinery.....	47,525	47,334	46,530	0.4	1.7	-0.2	47,880	47,358	46,182	43,520	10.0
Farm machinery.....	2,445	2,497	2,518	-2.1	-0.8	0.7	2,331	2,434	2,506	2,098	11.1
Construction machinery.....	4,011	3,958	3,971	1.3	-0.3	0.3	3,951	3,908	3,945	3,514	12.4
Mining, oil field, and gas field machinery.....	2,690	2,717	2,595	-1.0	4.7	0.1	2,739	2,755	2,664	2,366	15.8
Industrial machinery.....	6,606	6,606	6,532	0.0	1.1	1.6	6,666	6,752	6,534	6,384	4.4
Photographic equipment.....	1,369	1,366	1,369	0.2	-0.2	2.2	1,382	1,381	1,373	1,261	9.6
Ventilation, heating, air-conditioning, and refrigeration equipment.....	4,055	4,027	4,004	0.7	0.6	-5.2	4,078	4,031	3,980	3,881	5.1
Metalworking machinery.....	4,517	4,523	4,356	-0.1	3.8	-0.8	4,682	4,608	4,313	4,323	8.3
Turbines, generators, and other power transmission equipment.....	5,934	5,825	5,546	1.9	5.0	-1.4	6,090	5,873	5,406	5,129	18.7
Material handling equipment.....	2,718	2,779	2,700	-2.2	2.9	1.3	2,721	2,736	2,686	2,253	20.8
Computers and electronic products.....	44,756	44,840	44,110	-0.2	1.7	-0.6	45,950	45,483	43,580	46,077	-0.3
Computers.....	1,915	1,903	1,981	0.6	-3.9	0.5	2,044	1,881	2,008	1,982	3.1
Computer storage devices.....	1,575	1,543	1,469	2.1	5.0	2.5	1,694	1,590	1,370	1,309	29.4
Other peripheral equipment.....	1,861	1,844	1,829	0.9	0.8	-0.9	1,964	1,882	1,790	1,987	-1.2
Nondefense communications equipment.....	8,971	8,946	8,831	0.3	1.3	-2.0	9,164	9,017	8,486	9,700	-5.5
Defense communications equipment.....	988	1,005	966	-1.7	4.0	-3.7	988	1,005	966	1,191	-17.0
Audio and video equipment.....	1,114	1,095	1,121	1.7	-2.3	-4.1	1,185	1,132	1,090	1,109	6.9
Semiconductors <sup>1</sup> .....	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)	(NA)
Electronic components.....	6,502	6,657	6,464	-2.3	3.0	-1.1	6,575	6,805	6,463	6,831	-3.7
Nondefense search and navigation equipment.....	2,679	2,675	2,475	0.1	8.1	-2.3	2,706	2,709	2,486	2,509	7.9
Defense search and navigation equipment.....	2,506	2,558	2,557	-2.0	0.0	-10.7	2,558	2,602	2,584	2,887	-11.4
Electromedical, measuring and control instruments.....	9,666	9,706	9,611	-0.4	1.0	-1.5	9,856	9,754	9,500	9,714	1.5
Electrical equipment, appliances, and components.....	12,669	12,684	12,686	-0.1	0.0	-0.2	12,676	12,731	12,706	12,360	2.6
Electric lighting equipment.....	1,515	1,509	1,519	0.4	-0.7	-0.7	1,562	1,554	1,556	1,545	1.1
Household appliances.....	2,213	2,195	2,173	0.8	1.0	-1.8	2,178	2,219	2,190	2,097	3.9
Electrical equipment.....	4,255	4,283	4,300	-0.7	-0.4	0.4	4,239	4,241	4,238	4,050	4.7
Batteries.....	610	609	608	0.2	0.2	-0.5	651	628	623	672	-3.1
Transportation equipment.....	65,599	66,265	65,464	-1.0	1.2	-0.5	66,534	67,102	64,745	64,358	3.4
Automobiles.....	2,315	2,203	2,245	5.1	-1.9	1.8	2,439	2,329	2,221	2,342	4.1
Light trucks and utility vehicles.....	3,175	3,030	3,023	4.8	0.2	-2.3	3,362	3,115	2,948	2,806	19.8
Heavy duty trucks.....	1,308	1,306	1,319	0.2	-1.0	0.0	1,336	1,299	1,294	1,151	16.1
Motor vehicle bodies, parts, and trailers.....	17,706	17,811	17,930	-0.6	-0.7	-0.2	17,631	17,987	17,849	17,295	1.9
Nondefense aircraft and parts.....	21,749	22,329	21,629	-2.6	3.2	-2.3	22,214	22,591	21,156	23,027	-3.5
Defense aircraft and parts.....	11,300	11,571	11,352	-2.3	1.9	0.5	11,395	11,680	11,413	10,412	9.4
Ships and boats.....	2,661	2,611	2,635	1.9	-0.9	2.4	2,637	2,604	2,663	2,497	5.6
Furniture and related products.....	8,688	8,686	8,716	0.0	-0.3	0.1	8,817	8,903	8,926	8,507	3.6
Miscellaneous durable goods.....	20,687	20,572	20,287	0.6	1.4	0.9	21,049	20,698	20,257	20,098	4.7
Nondurable goods industries.....	181,612	181,406	180,993	0.1	0.2	0.8	182,438	182,036	180,033	174,064	4.8
Food products.....	32,752	32,736	32,852	0.0	-0.4	0.3	32,860	32,150	31,812	32,191	2.1
Grain and oilseed milling.....	3,266	3,263	3,158	0.1	3.3	1.8	3,022	3,038	2,977	2,896	4.4
Dairy products.....	4,098	4,128	4,085	-0.7	1.1	-0.2	4,169	4,297	4,241	4,158	0.3
Meat, poultry, and seafood products.....	6,098	6,098	6,303	0.0	-3.3	0.3	6,043	6,053	6,223	6,116	-1.2
Beverage and tobacco products.....	14,873	14,892	14,675	-0.1	1.5	-0.6	14,504	14,329	14,264	14,566	-0.4
Beverages.....	10,140	10,120	9,878	0.2	2.4	-0.8	9,918	9,852	9,720	9,871	0.5
Tobacco.....	4,733	4,772	4,797	-0.8	-0.5	-0.2	4,586	4,477	4,544	4,695	-2.3
Textile mills.....	4,066	4,142	4,211	-1.8	-1.6	-0.7	4,091	4,213	4,251	4,600	-11.1
Textile products.....	3,691	3,670	3,693	0.6	-0.6	-0.3	3,713	3,698	3,762	3,629	2.3
Apparel.....	6,204	6,123	6,118	1.3	0.1	-0.2	6,401	6,380	6,381	5,875	9.0
Leather and allied products.....	867	868	867	-0.1	0.1	-0.5	884	889	886	805	9.8
Paper products.....	14,258	14,432	14,437	-1.2	0.0	0.3	14,214	14,410	14,391	13,811	2.9
Pulp, paper, and paperboard mills.....	6,202	6,345	6,287	-2.3	0.9	0.3	6,175	6,320	6,268	5,835	5.8
Paperboard containers.....	4,048	4,071	4,081	-0.6	-0.2	-1.5	4,036	4,066	4,050	4,046	-0.2
Printing.....	6,584	6,640	6,655	-0.8	-0.2	0.0	6,969	6,942	6,635	6,886	1.2
Petroleum and coal products.....	24,306	24,138	22,869	0.7	5.5	3.5	24,906	24,988	23,055	20,368	22.3
Petroleum refineries.....	21,931	21,737	20,565	0.9	5.7	4.1	22,450	22,457	20,618	18,234	23.1
Chemical products.....	54,350	54,214	54,998	0.3	-1.4	1.2	54,621	54,628	55,015	53,821	1.5
Pesticides, fertilizers, and other agricultural chemicals.....	2,453	2,473	2,462	-0.8	0.4	5.3	2,112	2,191	2,234	1,913	10.4
Pharmaceuticals and medicines.....	18,139	18,120	18,472	0.1	-1.9	2.4	18,659	18,470	18,655	20,988	-11.1
Paints, coatings, and adhesives.....	2,877	2,881	2,873	-0.1	0.3	0.8	2,863	2,926	2,924	2,637	8.6
Plastics and rubber products.....	19,661	19,551	19,618	0.6	-0.3	-0.5	19,275	19,409	19,581	17,512	10.1

<sup>P</sup> Preliminary      <sup>r</sup> Revised      NA Not available.<sup>1</sup> Inventories for semiconductor industry data are included in computers and electronic products and total durable goods industries, but are not shown separately.  
See note at end of Table 2 relating to survey error and revision.

**Table 5. Value of Manufacturers' Shipments, New Orders, Unfilled Orders, and Total Inventories for Topical Series <sup>1</sup>**

[Millions of Dollars]

Industry	Seasonally Adjusted						Not Seasonally Adjusted <sup>2</sup>						
	Monthly			Percent Change			Monthly				Year to date		Percent Change <sup>6</sup> 2005/ 2004
	Aug. 2005 <sup>p</sup>	July 2005 <sup>r</sup>	June 2005	July - Aug.	June - July	May - June	Aug. 2005 <sup>p</sup>	July 2005 <sup>r</sup>	June 2005	Aug. 2004	2005 <sup>p</sup>	2004	
<b>SHIPMENTS</b>													
All manufacturing industries .....	393,462	386,858	386,436	1.7	0.1	0.0	405,249	355,183	412,308	378,218	3,060,505	2,855,443	7.2
Construction materials and supplies.....	41,237	40,829	41,551	1.0	-1.7	0.3	44,872	40,259	45,482	43,488	330,279	312,461	5.7
Information technology.....	28,535	27,944	28,347	2.1	-1.4	0.2	26,914	24,715	32,423	25,055	216,125	196,436	10.0
Computers and related products.....	8,178	8,095	8,093	1.0	0.0	-2.8	7,435	7,661	9,522	6,118	62,936	48,268	30.4
Motor vehicle and parts.....	42,146	41,366	41,247	1.9	0.3	0.7	45,312	27,353	45,206	43,946	327,033	339,090	-3.6
Capital goods.....	73,962	71,659	72,951	3.2	-1.8	0.1	72,095	64,831	81,851	65,771	567,456	517,023	9.8
Nondefense capital goods <sup>3</sup> .....	65,978	64,085	64,869	3.0	-1.2	0.0	64,272	57,780	73,139	57,920	506,136	454,014	11.5
Excluding aircraft.....	61,446	60,550	61,157	1.5	-1.0	-0.2	60,186	55,227	68,327	55,142	478,990	432,105	10.9
Defense capital goods <sup>4</sup> .....	7,984	7,574	8,082	5.4	-6.3	1.1	7,823	7,051	8,712	7,851	61,320	63,009	-2.7
Consumer goods.....	155,531	152,760	151,663	1.8	0.7	0.4	162,255	140,124	157,353	148,983	1,192,628	1,113,082	7.1
Consumer durable goods.....	38,597	38,592	38,858	0.0	-0.7	2.1	40,259	27,726	41,747	38,562	300,394	298,834	0.5
Consumer nondurable goods.....	116,934	114,168	112,805	2.4	1.2	-0.2	121,996	112,398	115,606	110,421	892,234	814,248	9.6
<b>NEW ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	395,240	385,553	395,324	2.5	-2.5	0.9	402,933	351,601	416,866	369,688	3,046,144	2,832,588	7.5
Construction materials and supplies.....	42,324	40,770	41,961	3.8	-2.8	1.5	45,577	40,183	45,624	43,718	334,068	317,715	5.1
Information technology.....	30,300	28,481	30,696	6.4	-7.2	8.4	27,015	24,570	34,308	22,938	222,315	199,125	11.6
Computers and related products.....	8,543	7,718	8,449	10.7	-8.7	0.9	7,800	7,284	9,878	6,030	62,542	47,659	31.2
Motor vehicle and parts.....	42,186	41,708	41,257	1.1	1.1	0.3	45,154	28,124	44,892	43,955	327,342	340,424	-3.8
Capital goods.....	80,637	78,044	85,400	3.3	-8.6	0.2	75,257	67,374	91,957	63,469	601,791	532,322	13.1
Nondefense capital goods <sup>3</sup> .....	73,598	70,886	76,688	3.8	-7.6	-2.2	70,398	62,793	83,337	57,544	549,896	468,744	17.3
Excluding aircraft.....	63,587	61,679	64,151	3.1	-3.9	4.9	60,634	55,601	69,687	53,688	490,601	440,286	11.4
Defense capital goods <sup>4</sup> .....	7,039	7,158	8,712	-1.7	-17.8	27.5	4,859	4,581	8,620	5,925	51,895	63,578	-18.4
Consumer goods.....	156,019	152,792	151,444	2.1	0.9	0.0	162,653	140,388	156,847	149,041	1,192,565	1,113,753	7.1
Consumer durable goods.....	39,085	38,624	38,639	1.2	0.0	0.5	40,657	27,990	41,241	38,620	300,331	299,505	0.3
Consumer nondurable goods.....	116,934	114,168	112,805	2.4	1.2	-0.2	121,996	112,398	115,606	110,421	892,234	814,248	9.6
<b>UNFILLED ORDERS</b>													
All manufacturing industries <sup>5</sup> .....	589,982	580,753	574,800	1.6	1.0	2.8	584,572	579,467	576,684	531,055	(X)	(X)	10.1
Construction materials and supplies.....	37,476	36,389	36,448	3.0	-0.2	1.1	37,889	37,184	37,260	34,854	(X)	(X)	8.7
Information technology.....	108,740	106,975	106,438	1.6	0.5	2.3	106,994	106,893	107,038	94,439	(X)	(X)	13.3
Computers and related products.....	6,023	5,658	6,035	6.5	-6.2	6.3	6,023	5,658	6,035	5,673	(X)	(X)	6.2
Motor vehicle and parts.....	15,719	15,679	15,337	0.3	2.2	0.1	15,579	15,737	14,966	15,650	(X)	(X)	-0.5
Capital goods.....	438,903	432,228	425,843	1.5	1.5	3.0	432,779	429,617	427,074	382,827	(X)	(X)	13.0
Nondefense capital goods <sup>3</sup> .....	304,990	297,370	290,569	2.6	2.3	4.2	301,724	295,598	290,585	247,360	(X)	(X)	22.0
Excluding aircraft.....	170,575	168,434	167,305	1.3	0.7	1.8	168,562	168,114	167,740	153,339	(X)	(X)	9.9
Defense capital goods <sup>4</sup> .....	133,913	134,858	135,274	-0.7	-0.3	0.5	131,055	134,019	136,489	135,467	(X)	(X)	-3.3
Consumer goods.....	13,954	13,466	13,434	3.6	0.2	-1.6	13,994	13,596	13,332	13,114	(X)	(X)	6.7
Consumer durable goods.....	13,954	13,466	13,434	3.6	0.2	-1.6	13,994	13,596	13,332	13,114	(X)	(X)	6.7
<b>TOTAL INVENTORIES</b>													
All manufacturing industries .....	463,666	464,221	461,511	-0.1	0.6	0.1	467,344	467,004	458,827	443,713	(X)	(X)	5.3
Construction materials and supplies.....	53,762	53,829	53,755	-0.1	0.1	-0.8	53,829	54,153	53,824	50,220	(X)	(X)	7.2
Information technology.....	37,094	37,095	36,651	0.0	1.2	-1.9	37,974	37,415	36,106	38,054	(X)	(X)	-0.2
Computers and related products.....	5,351	5,290	5,279	1.2	0.2	0.6	5,702	5,353	5,168	5,278	(X)	(X)	8.0
Motor vehicle and parts.....	24,504	24,350	24,517	0.6	-0.7	-0.3	24,768	24,730	24,312	23,594	(X)	(X)	5.0
Capital goods.....	126,793	126,830	124,613	0.0	1.8	-0.6	128,653	127,590	123,405	123,114	(X)	(X)	4.5
Nondefense capital goods <sup>3</sup> .....	111,811	111,569	109,658	0.2	1.7	-0.4	113,601	112,277	108,420	107,989	(X)	(X)	5.2
Excluding aircraft.....	94,150	93,937	92,531	0.2	1.5	-0.1	95,532	94,440	91,752	89,509	(X)	(X)	6.7
Defense capital goods <sup>4</sup> .....	14,982	15,261	14,955	-1.8	2.0	-1.9	15,052	15,313	14,985	15,125	(X)	(X)	-0.5
Consumer goods.....	140,862	140,338	139,340	0.4	0.7	0.9	142,513	140,980	138,362	137,302	(X)	(X)	3.8
Consumer durable goods.....	31,360	30,983	30,891	1.2	0.3	-0.2	32,007	31,394	30,779	30,497	(X)	(X)	5.0
Consumer nondurable goods.....	109,502	109,355	108,449	0.1	0.8	1.2	110,506	109,586	107,583	106,805	(X)	(X)	3.5

<sup>p</sup> Preliminary      <sup>r</sup> Revised      X Not Applicable.

<sup>1</sup> Topical series are regroupings of the separate industry categories.

<sup>2</sup> Shipments and new orders are the totals for the period and are adjusted for trading-day and calendar-month variations.

<sup>3</sup> Nondefense capital goods industries include: small arms and ordnance; farm machinery and equipment; construction machinery; mining, oil, and gas field machinery; industrial machinery; vending, laundry, and other machinery; photographic equipment; metalworking machinery; turbines and generators; other power transmission equipment; pumps and compressors; material handling equipment; all other machinery; electronic computers; computer storage devices; other computer peripheral equipment; communications equipment; search and navigation equipment; electromedical, measuring, and control instruments; electrical equipment; other electrical equipment, appliances, and components; heavy duty trucks; aircraft; railroad rolling stock; ships and boats; office and institutional furniture; and medical equipment and supplies.

<sup>4</sup> Defense capital goods industries include: small arms and ordnance; communications equipment; aircraft; missiles, space vehicles, and parts; ships and boats; and search and navigation equipment.

<sup>5</sup> Estimates and percent changes exclude semiconductor industry data.

<sup>6</sup> Based on year-to-date for shipments and new orders, but on same month prior year for unfilled orders and inventories.

See note at end of Table 2 relating to survey error and revision.

**Table 6. Value of Manufacturers' Inventories, by Stage of Fabrication, by Industry Group****(Millions of Dollars)**

Industry	Seasonally Adjusted						Not Seasonally Adjusted				
	Monthly			Percent Change			Monthly				Percent Change Aug. 05/04
	Aug. 2005 <sup>p</sup>	July 2005 <sup>r</sup>	June 2005	July - Aug.	June - July	May - June	Aug. 2005 <sup>p</sup>	July 2005 <sup>r</sup>	June 2005	Aug. 2004	
<b>MATERIALS AND SUPPLIES</b>											
All manufacturing industries.....	157,406	156,995	157,376	0.3	-0.2	0.1	157,527	157,716	156,130	149,848	5.1
Durable goods industries.....	95,320	95,506	95,896	-0.2	-0.4	-0.1	95,905	96,203	94,695	91,053	5.3
Wood products.....	4,211	4,194	4,206	0.4	-0.3	1.9	4,186	4,050	3,922	3,852	8.7
Nonmetallic mineral products.....	3,680	3,641	3,688	1.1	-1.3	0.7	3,710	3,671	3,689	3,612	2.7
Primary metals.....	9,339	9,307	9,448	0.3	-1.5	-0.7	9,387	9,360	9,355	7,966	17.8
Fabricated metal products.....	13,604	13,858	13,961	-1.8	-0.7	-0.6	13,690	13,943	13,816	12,435	10.1
Machinery.....	16,473	16,470	16,466	0.0	0.0	0.4	16,595	16,612	16,335	15,014	10.5
Computers and electronic products.....	15,217	15,029	15,063	1.3	-0.2	-1.8	15,408	15,068	14,884	16,083	-4.2
Electrical equipment, appliances, and components.....	5,084	5,090	5,101	-0.1	-0.2	0.4	5,050	5,066	5,059	4,756	6.2
Transportation equipment.....	16,597	16,750	16,853	-0.9	-0.6	-0.5	16,654	17,119	16,521	16,545	0.7
Furniture and related products.....	3,830	3,915	3,904	-2.2	0.3	2.6	3,851	3,975	3,936	3,858	-0.2
Miscellaneous products.....	7,285	7,252	7,206	0.5	0.6	1.2	7,374	7,339	7,178	6,932	6.4
Nondurable goods industries.....	62,086	61,489	61,480	1.0	0.0	0.4	61,622	61,513	61,435	58,795	4.8
Food products.....	10,620	10,643	10,497	-0.2	1.4	1.3	10,287	10,424	10,308	9,959	3.3
Beverage and tobacco products.....	5,011	4,994	4,958	0.3	0.7	-0.8	4,839	4,777	4,842	5,024	-3.7
Textiles.....	1,263	1,285	1,313	-1.7	-2.1	-0.8	1,260	1,298	1,315	1,330	-5.3
Textile products.....	1,403	1,405	1,419	-0.1	-1.0	0.7	1,418	1,432	1,443	1,337	6.1
Apparel.....	1,332	1,344	1,325	-0.9	1.4	0.7	1,327	1,351	1,341	1,348	-1.6
Leather and allied products.....	249	248	240	0.4	3.3	-0.2	255	256	247	264	-3.4
Paper products.....	6,214	6,270	6,295	-0.9	-0.4	7.0	6,174	6,242	6,261	6,232	-0.9
Printing.....	2,937	2,974	3,049	-1.2	-2.5	0.6	2,991	3,058	3,092	2,983	0.3
Petroleum and coal products.....	7,921	7,394	6,928	7.1	6.7	0.6	8,060	7,634	6,955	6,250	29.0
Chemical products.....	17,682	17,510	17,908	1.0	-2.2	0.7	17,601	17,581	18,098	17,229	2.2
Plastics and rubber products.....	7,454	7,422	7,548	0.4	-1.7	-0.1	7,410	7,460	7,533	6,839	8.3
<b>WORK IN PROCESS</b>											
All manufacturing industries.....	126,351	127,396	126,011	-0.8	1.1	-0.2	127,900	128,303	124,628	125,296	2.1
Durable goods industries.....	98,659	99,581	97,938	-0.9	1.7	-0.4	100,064	100,360	97,061	96,406	3.8
Wood products.....	1,877	1,876	1,898	0.1	-1.2	-7.2	1,872	1,870	1,884	1,907	-1.8
Nonmetallic mineral products.....	1,166	1,168	1,169	-0.2	-0.1	0.4	1,173	1,188	1,184	1,197	-2.0
Primary metals.....	7,457	7,544	7,670	-1.2	-1.6	0.2	7,459	7,591	7,595	6,515	14.5
Fabricated metal products.....	10,513	10,439	10,385	0.7	0.5	-1.4	10,607	10,521	10,446	9,718	9.1
Machinery.....	14,380	14,353	14,069	0.2	2.0	-1.1	14,755	14,472	14,074	13,829	6.7
Computers and electronic products.....	19,503	19,776	19,130	-1.4	3.4	0.4	20,086	20,199	18,954	20,336	-1.2
Electrical equipment, appliances, and components.....	2,681	2,673	2,647	0.3	1.0	-0.1	2,697	2,691	2,657	2,680	0.6
Transportation equipment.....	36,187	36,952	36,117	-2.1	2.3	0.2	36,476	36,974	35,376	35,630	2.4
Furniture and related products.....	1,538	1,521	1,552	1.1	-2.0	-0.7	1,547	1,544	1,565	1,538	0.6
Miscellaneous products.....	3,357	3,279	3,301	2.4	-0.7	-2.6	3,392	3,310	3,326	3,056	11.0
Nondurable goods industries.....	27,692	27,815	28,073	-0.4	-0.9	0.5	27,836	27,943	27,567	28,890	-3.6
Food products.....	2,743	2,621	2,794	4.7	-6.2	-4.3	2,548	2,416	2,541	2,552	-0.2
Beverage and tobacco products.....	4,134	4,209	4,166	-1.8	1.0	0.6	3,825	3,850	3,865	3,754	1.9
Textiles.....	1,144	1,148	1,144	-0.3	0.3	-0.3	1,149	1,162	1,148	1,249	-8.0
Textile products.....	552	561	564	-1.6	-0.5	0.0	559	570	575	583	-4.1
Apparel.....	1,044	1,016	990	2.8	2.6	-1.8	1,067	1,040	1,026	1,085	-1.7
Leather and allied products.....	123	121	126	1.7	-4.0	0.8	123	120	122	119	3.4
Paper products.....	1,363	1,374	1,371	-0.8	0.2	-2.5	1,392	1,393	1,373	1,367	1.8
Printing.....	1,771	1,815	1,778	-2.4	2.1	-0.4	1,978	1,996	1,723	1,984	-0.3
Petroleum and coal products.....	2,848	2,746	2,647	3.7	3.7	7.1	2,930	2,924	2,623	2,958	-0.9
Chemical products.....	9,847	10,068	10,351	-2.2	-2.7	2.1	10,175	10,355	10,426	11,236	-9.4
Plastics and rubber products.....	2,123	2,136	2,142	-0.6	-0.3	-4.3	2,090	2,117	2,145	2,003	4.3
<b>FINISHED GOODS</b>											
All manufacturing industries.....	179,909	179,830	178,124	0.0	1.0	0.2	181,917	180,985	178,069	168,569	7.9
Durable goods industries.....	88,075	87,728	86,684	0.4	1.2	-0.6	88,937	88,405	87,038	82,190	8.2
Wood products.....	4,530	4,549	4,555	-0.4	-0.1	1.6	4,382	4,496	4,657	4,119	6.4
Nonmetallic mineral products.....	5,531	5,579	5,406	-0.9	3.2	0.6	5,485	5,639	5,463	4,896	12.0
Primary metals.....	7,465	7,536	7,483	-0.9	0.7	-2.0	7,367	7,504	7,389	6,131	20.2
Fabricated metal products.....	12,757	12,743	12,856	0.1	-0.9	-1.1	12,682	12,860	12,998	12,381	2.4
Machinery.....	16,672	16,511	15,995	1.0	3.2	-0.1	16,530	16,274	15,773	14,677	12.6
Computers and electronic products.....	10,036	10,035	9,917	0.0	1.2	-0.9	10,456	10,216	9,742	9,658	8.3
Electrical equipment, appliances, and components.....	4,904	4,921	4,938	-0.3	-0.3	-0.8	4,929	4,974	4,990	4,924	0.1
Transportation equipment.....	12,815	12,563	12,494	2.0	0.6	-2.6	13,404	13,009	12,848	12,183	10.0
Furniture and related products.....	3,320	3,250	3,260	2.2	-0.3	-2.4	3,419	3,384	3,425	3,111	9.9
Miscellaneous products.....	10,045	10,041	9,780	0.0	2.7	2.0	10,283	10,049	9,753	10,110	1.7
Nondurable goods industries.....	91,834	92,102	91,440	-0.3	0.7	1.1	92,980	92,580	91,031	86,379	7.6
Food products.....	19,389	19,472	19,561	-0.4	-0.5	0.5	20,025	19,310	18,963	19,680	1.8
Beverage and tobacco products.....	5,728	5,689	5,551	0.7	2.5	-1.3	5,840	5,702	5,557	5,788	0.9
Textiles.....	1,659	1,709	1,754	-2.9	-2.6	-0.8	1,682	1,753	1,788	2,021	-16.8
Textile products.....	1,736	1,704	1,710	1.9	-0.4	-1.3	1,736	1,696	1,744	1,709	1.6
Apparel.....	3,828	3,763	3,803	1.7	-1.1	-0.1	4,007	3,989	4,014	3,442	16.4
Leather and allied products.....	495	499	501	-0.8	-0.4	2.7	506	513	517	422	19.9
Paper products.....	6,681	6,788	6,771	-1.6	0.3	1.0	6,648	6,775	6,757	6,212	7.0
Printing.....	1,876	1,851	1,828	1.4	1.3	-0.6	2,000	1,888	1,820	1,919	4.2
Petroleum and coal products.....	13,537	13,998	13,294	-3.3	5.3	4.3	13,916	14,430	13,477	11,160	24.7
Chemical products.....	26,821	26,636	26,739	0.7	-0.4	1.3	26,845	26,692	26,491	25,356	5.9
Plastics and rubber products.....	10,084	9,993	9,928	0.9	0.7	0.1	9,775	9,832	9,903	8,670	12.7

<sup>p</sup> Preliminary<sup>f</sup> Revised

See note at end of Table 2 relating to survey error and revisions.

**Table 7. Ratios of Manufacturers' Inventories to Shipments and Unfilled Orders to Shipments, by Industry Group**

[Based on Seasonally Adjusted data]

Industry	Inventory/Shipments ratio				Unfilled Orders/Shipments ratio <sup>1</sup>			
	Aug 2005 <sup>p</sup>	Jul 2005 <sup>r</sup>	Jun 2005	May 2005	Aug 2005 <sup>p</sup>	Jul 2005 <sup>r</sup>	Jun 2005	May 2005
All manufacturing industries <sup>2</sup> .....	1.18	1.20	1.19	1.19	(X)	(X)	(X)	(X)
Durable goods industries <sup>2</sup> .....	1.35	1.38	1.36	1.37	4.15	4.18	4.09	3.99
Wood products.....	1.20	1.19	1.18	1.20	(X)	(X)	(X)	(X)
Nonmetallic mineral products.....	1.15	1.16	1.14	1.13	(X)	(X)	(X)	(X)
Primary metals.....	1.58	1.63	1.62	1.62	1.30	1.27	1.25	1.26
Fabricated metal products.....	1.55	1.58	1.56	1.57	2.00	2.00	1.96	1.92
Machinery.....	1.82	1.84	1.80	1.81	3.46	3.48	3.45	3.36
Computers and electronic products <sup>2</sup> ..	1.19	1.22	1.20	1.20	4.35	4.38	4.29	4.26
Electrical equipment, appliances, and components.....	1.30	1.33	1.34	1.35	1.92	1.89	1.90	1.87
Transportation equipment.....	1.12	1.16	1.14	1.16	8.10	8.38	8.17	7.83
Furniture and related products.....	1.20	1.17	1.17	1.16	1.19	1.08	1.11	1.10
Miscellaneous products.....	1.67	1.65	1.61	1.64	(X)	(X)	(X)	(X)
Nondurable goods industries.....	0.98	1.00	1.01	1.00	(X)	(X)	(X)	(X)
Food products.....	0.73	0.74	0.73	0.72	(X)	(X)	(X)	(X)
Beverage and tobacco products.....	1.51	1.61	1.55	1.56	(X)	(X)	(X)	(X)
Textiles.....	1.26	1.25	1.22	1.24	(X)	(X)	(X)	(X)
Textile products.....	1.30	1.30	1.31	1.32	(X)	(X)	(X)	(X)
Apparel.....	1.82	1.79	1.74	1.77	(X)	(X)	(X)	(X)
Leather and allied products.....	1.86	1.91	1.84	1.76	(X)	(X)	(X)	(X)
Paper products.....	1.07	1.07	1.02	1.01	(X)	(X)	(X)	(X)
Printing.....	0.90	0.90	0.89	0.89	(X)	(X)	(X)	(X)
Petroleum and coal products.....	0.68	0.71	0.71	0.71	(X)	(X)	(X)	(X)
Chemical products.....	1.16	1.17	1.23	1.19	(X)	(X)	(X)	(X)
Plastics and rubber products.....	1.15	1.16	1.16	1.16	(X)	(X)	(X)	(X)

<sup>p</sup> Preliminary

<sup>r</sup> Revised

X Not Applicable

<sup>1</sup> Excludes the following industries with no unfilled orders: Wood products; nonmetallic mineral products; medical equipment and supplies; office supplies; other miscellaneous manufacturing; cutlery and handtools; farm and garden machinery; computer storage and peripheral devices; audio and video equipment; manufacturing and reproducing magnetic and optical media; batteries; automobiles; light trucks and utility vehicles; heavy duty trucks; and miscellaneous furniture.

<sup>2</sup> Unfilled orders to shipments ratio excludes semiconductor manufacturing.

**Table 8. Revisions to Previously Published Monthly Percent Changes**

[Based on Seasonally Adjusted data]

Industry	Shipments		New Orders		Unfilled Orders		Inventories	
	Aug <sup>1</sup> 2005	Aug <sup>2</sup> 2004-Jul 2005	Aug <sup>1</sup> 2005	Aug <sup>2</sup> 2004-Jul 2005	Aug <sup>1</sup> 2005	Aug <sup>2</sup> 2004-Jul 2005	Aug <sup>1</sup> 2005	Aug <sup>2</sup> 2004-Jul 2005
All manufacturing industries.....	(X)	0.3	(X)	0.4	(X)	0.1	(X)	0.1
Durable goods industries.....	0.1	0.4	0.1	0.5	-0.1	0.1	-0.1	0.2
Wood products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.5
Nonmetallic mineral products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.2
Primary metals.....	0.2	0.5	0.0	1.2	-0.2	0.6	0.0	0.4
Fabricated metal products.....	0.3	0.4	0.5	0.7	0.1	0.4	0.0	0.3
Machinery.....	0.2	0.7	-0.8	1.5	-0.4	0.5	-0.1	0.1
Computers and electronic products.....	0.1	0.6	0.0	1.4	0.0	0.2	0.0	0.4
Electrical equipment, appliances, and components.....	-0.1	0.3	-0.1	0.8	0.0	0.4	0.0	0.2
Transportation equipment.....	0.2	0.4	0.0	0.9	-0.2	0.1	-0.2	0.2
Furniture and related products.....	(X)	0.6	(X)	0.8	(X)	0.6	(X)	0.3
Miscellaneous products.....	(X)	0.7	(X)	1.0	(X)	0.8	(X)	0.4
Nondurable goods industries.....	(X)	0.3	(X)	(NA)	(X)	(NA)	(X)	0.2
Food products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Beverage and tobacco products.....	(X)	0.9	(X)	(NA)	(X)	(NA)	(X)	0.5
Textiles.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Textile products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Apparel.....	(X)	1.8	(X)	(NA)	(X)	(NA)	(X)	0.6
Leather and allied products.....	(X)	1.5	(X)	(NA)	(X)	(NA)	(X)	1.0
Paper products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.2
Printing.....	(X)	0.5	(X)	(NA)	(X)	(NA)	(X)	0.3
Petroleum and coal products.....	(X)	0.7	(X)	(NA)	(X)	(NA)	(X)	0.5
Chemical products.....	(X)	0.8	(X)	(NA)	(X)	(NA)	(X)	0.4
Plastics and rubber products.....	(X)	0.6	(X)	(NA)	(X)	(NA)	(X)	0.4

X Not Applicable

NA Not Available

<sup>1</sup> The current month revisions are the difference between the advance percent change and the percent change as shown in this publication.

<sup>2</sup> The twelve month revisions are the differences between the month-to-month percent changes of the preliminary and final estimates. The monthly averages are the simple averages of the absolute values of the differences for the months specified. The advance to final percent change revisions for the durable goods industries are shown in the advance report for the month.



## Survey Description

This report is compiled from results of the U.S. Census Bureau's Manufacturers' Shipments, Inventories, and Orders (M3) survey. This survey provides statistics on manufacturers' value of shipments, new orders (net of cancellations), end-of-month order backlog (unfilled orders), end-of-month total inventory (at current cost or market value), and inventories by stage of fabrication (materials and supplies, work-in-process, and finished goods). The M3 includes approximately 4,000 reporting units. Units may be divisions of diversified large companies, large homogenous companies, or single-unit manufacturers in 89 industry categories. Due to the small monthly sample, these 89 categories have been combined into 59 publication levels. The survey methodology assumes that the month-to-month changes of the total operations of those companies in the monthly survey effectively represent the month-to-month movements of all establishments that make up the category. The current coverage levels in the survey show that reported data in the monthly survey represent approximately 60 percent of the shipments estimates at the total manufacturing level. Data published represent manufacturing in a calendar month. The data collection is based on a voluntary survey authorized by Title 13 of the United States Code.

The data presented in this release are based on data obtained from a panel of 4,000 reporting units and provide an indication of the activity within the manufacturing sector. The results differ from what would be obtained from a complete enumeration of all manufacturing companies. In addition, a different panel of 4,000 companies would yield different results. The M3 panel is comprised of companies with \$500 million or more in shipments and a limited number of smaller companies. From a statistical perspective, the panel is not a probability sample; therefore, the sampling errors that are normally provided with sample surveys cannot be measured. Nonsampling errors are attributable to many sources. The use of company or divisional reports to estimate the monthly change for establishments is one source of nonsampling error. The use of primarily large companies to represent the month-to-month movement of all companies is another potential source.

Additional survey documentation can be found on our web site: <http://www.census.gov/m3>.